



DAVID EVANS
AND ASSOCIATES INC.



EXPIRATION DATE: 6-30-2010

December 1, 2009

Mr. Daniel Wilson
Marion County Facilities Management
100 High Street NE
Salem, OR 97308

SUBJECT: COURTHOUSE SQUARE QUARTERLY BUILDING-MONITORING PROGRAM

Dear Daniel:

We have completed the second quarterly floor survey of the quarterly monitoring program. Of the fifteen surveyed locations, six had 0.00" change in deflection, four had 0.05" change, four had 0.10" change, and one had a 0.20" change. We also completed our first quarterly observations of the installed crack monitors. One monitor out of nine indicated measurable crack movement. This monitor is located in the air handling room P298 in the northeast corner of the underground parking area. This monitor indicated that there is movement at the top of the wall, which is likely due to the slab above still undergoing shortening. Based on these and prior findings, it appears that the floor slabs are still experiencing noticeable albeit minimal shortening due to the reasons we previously described in our evaluation reports dated April and June of 2009.

It is DEA's professional opinion that the building is still safe to occupy until the strengthening/leveling repairs are completed. Although, the ultimate strength of the slabs is not affected by the current slab deflection, we recommend that these repairs be completed as soon as possible to meet current code requirements and to repair or replace the non-structural elements damaged by the floor deflection to improve the safety of the structure and alleviate concern regarding the integrity of the building structure. Until these repairs have been made we will continue the building-monitoring program and provide the results and our recommendations each quarter.

Sincerely,

DAVID EVANS AND ASSOCIATES, INC.

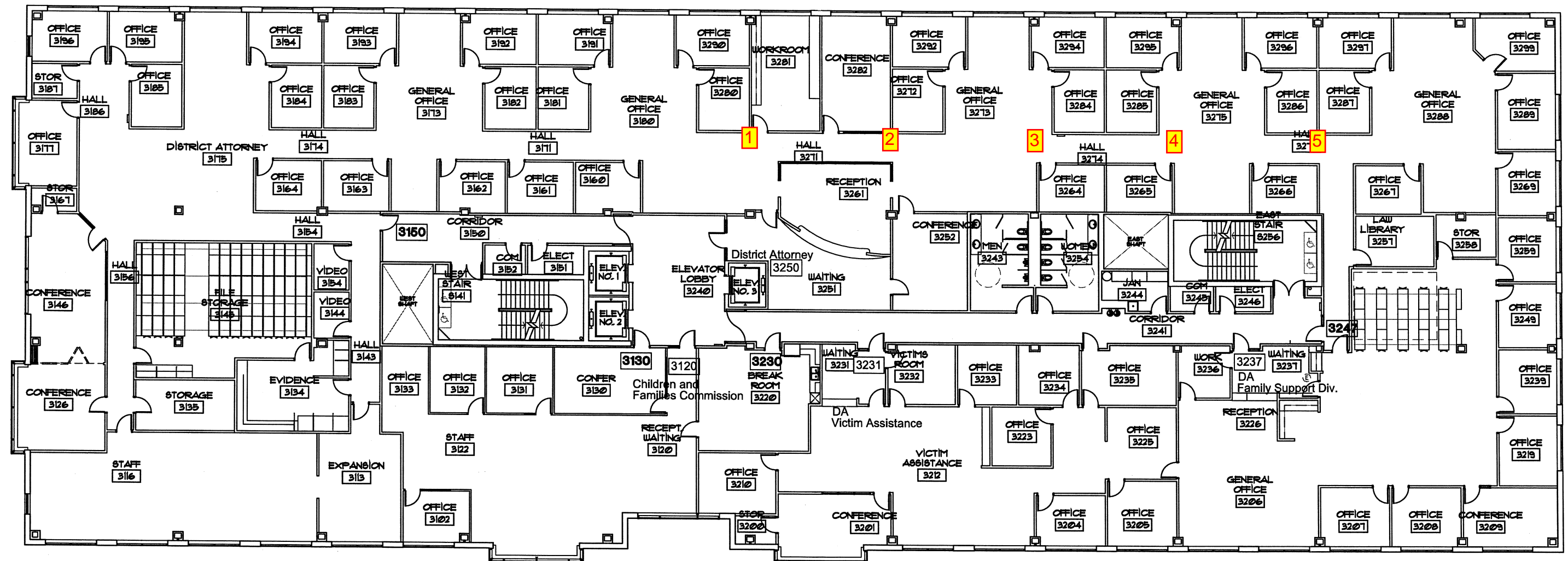
Jeremy Williams, P.E.
Project Engineer

Attachments/Enclosures: Quarterly Monitoring Survey Results (3rd, 4th, and 5th Floors) and Crack Monitor Photos



DAVID EVANS
AND ASSOCIATES INC.

X Indicates Location of Spot Elevation Survey Number for
Quarterly Building-Monitoring Program



3rd Floor Location	Aug. 31, 09 Deflection (in.)	Nov. 26, 09 Deflection (in.)	Δ Deflection (in.)
1	1.40	1.50	0.10
2	2.15	2.15	0.00
3	2.15	2.10	-0.05
4	2.35	2.30	-0.05
5	2.10	2.20	0.10

Note: Positive Δ deflection indicates increase in deflection



Marion County
OREGON
BUSINESS SERVICES
Facilities Management

FACILITY:
**COURTHOUSE SQUARE
THIRD FLOOR**

FILE NAME:
\\bldg\cs\cs3

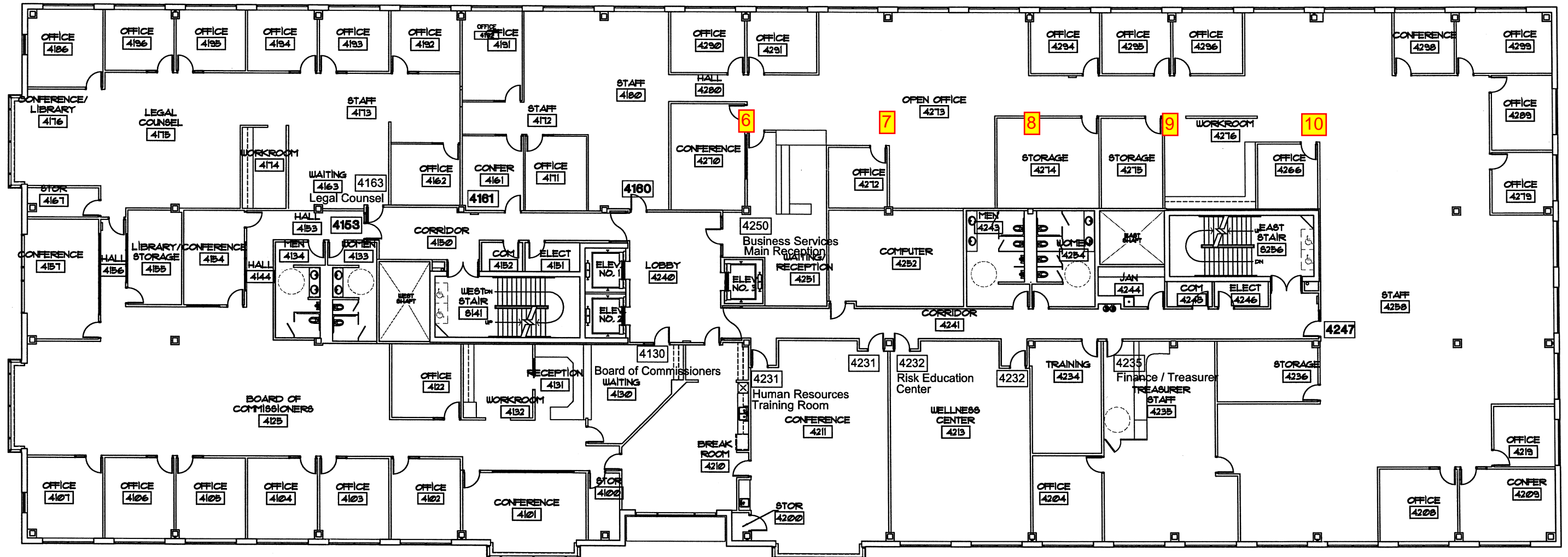
BLDG PLAN DATE:

CS-3



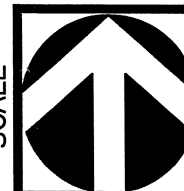
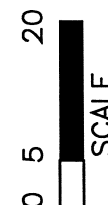
DAVID EVANS
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X Indicates Location of Spot Elevation Survey Number for
Quarterly Building-Monitoring Program



4th Floor Location	Aug. 31, 09 Deflection (in.)	Nov. 26, 09 Deflection (in.)	Δ Deflection (in.)
6	1.20	1.25	0.05
7	1.35	1.45	0.10
8	1.70	1.75	0.05
9	2.25	2.25	0.00
10	1.50	1.50	0.00

Note: Positive Δ deflection indicates increase in deflection



Marion County
OREGON
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FACILITY:
**COURTHOUSE SQUARE
FOURTH FLOOR**

FILE NAME:
CS4.dwg

BLDG PLAN DATE:

CS-4

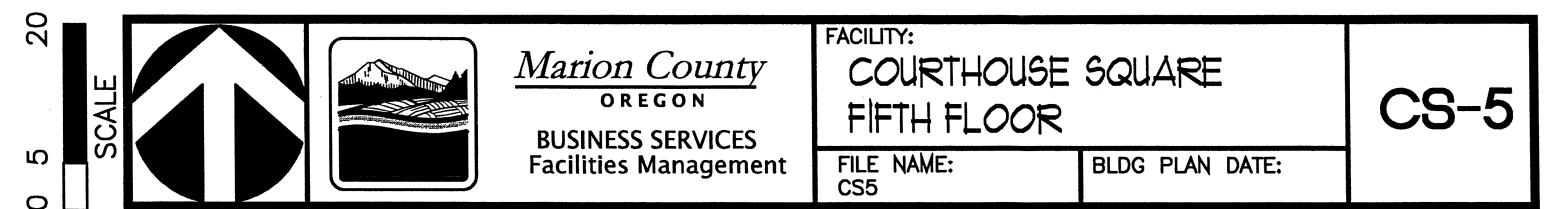


The floor plan of the second floor of the Salem Transit Administration building is detailed as follows:

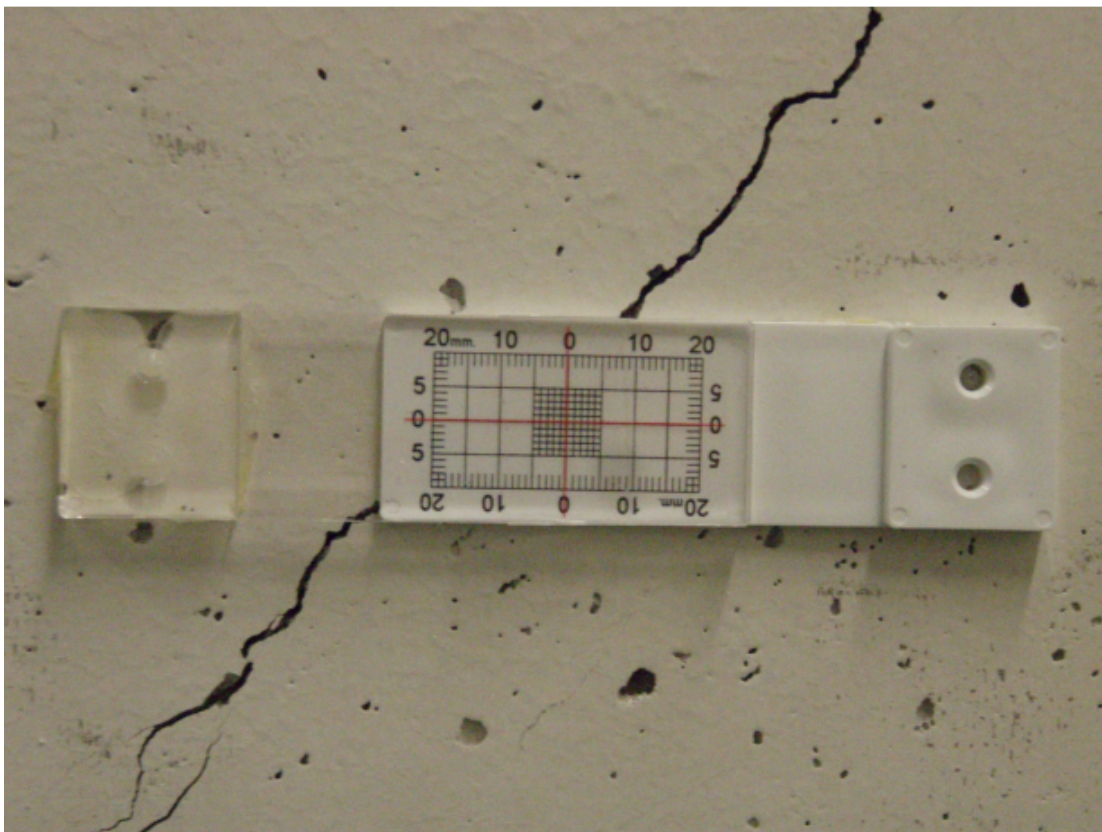
- Top Row (Left to Right):** OFFICE 5196, PLANNERS 5195, OFFICE 5194, OFFICE 5193, OFFICE 5192, OFFICE 5191, OFFICE 5294, OFFICE 5295, OFFICE 5296, OFFICE 5299.
- Second Row (Left to Right):** PLANNING/MARKETING 5175, CONFERENCE 5174, OPERATIONS 5173, LIBRARY 5171, TRANSIT EXPANSION 5170, **11**, **12**, WORK/COPY 5273, OPEN OFFICE 5274, **13**, **14**, ACCOUNTING OFFICE 5276, **15**, STAFF 5271.
- Third Row (Left to Right):** OFFICE 5157, STOR 5156, CONFERENCE 5155, CONFERENCE 5154, QUIET 5164, BREAK ROOM 5144, MEN 5153, WOMEN 5143, 5163, STOR 5162, BOARD OFFICE 5161, CORRIDOR 5150, COM 5152, ELECT 5151, ELEV. NO. 1, ELEV. NO. 2, ELEVATOR LOBBY 5240, 5250, Housing Authority, WAITING 5251, RECEPTION 5271, CONFERENCE 5252, 5242, MEN 5243, WOMEN 5254, EAST STAIR 5256, JAN 5244, GYM 5245, ELECT 5246, WORKROOM STORAGE 5258, OFFICE 5259.
- Fourth Row (Left to Right):** OFFICE 5147, STOR 5146, CONFERENCE 5153, WEST STAIR 5141, CORRIDOR 5241, 5230, WAITING 5230, Salem Transit Administration, 5231, STAFF 5231, 5233, 5236, STORAGE 5235, 5247, Information Technology, RECEPTION 5237, STAFF 5235, OFFICE 5219.
- Fifth Row (Left to Right):** ADMINISTRATION 5136, COMPUTER 5125, ACCOUNTING 5124, COPY 5123, FUTURE 5122, TRAINING/CONFERENCE 5121, HALL 5112, HUMAN RESOURCES OFFICE 5100, RECEPTION 5120, INTERVIEW 5210, OFFICE 5200, CONFERENCE 5203, OFFICE 5204, BREAKROOM 5205, OFFICE 5206, OPEN OFFICE 5216, CONFERENCE 5208, OFFICE 5209.

5th Floor Location	Aug. 31, 09 Deflection (in.)	Nov. 26, 09 Deflection (in.)	Δ Deflection (in.)
11	1.95	1.95	0.00
12	2.30	2.30	0.00
13	2.25	2.45	0.20
14	3.45	3.35	-0.10
15	2.50	2.50	0.00

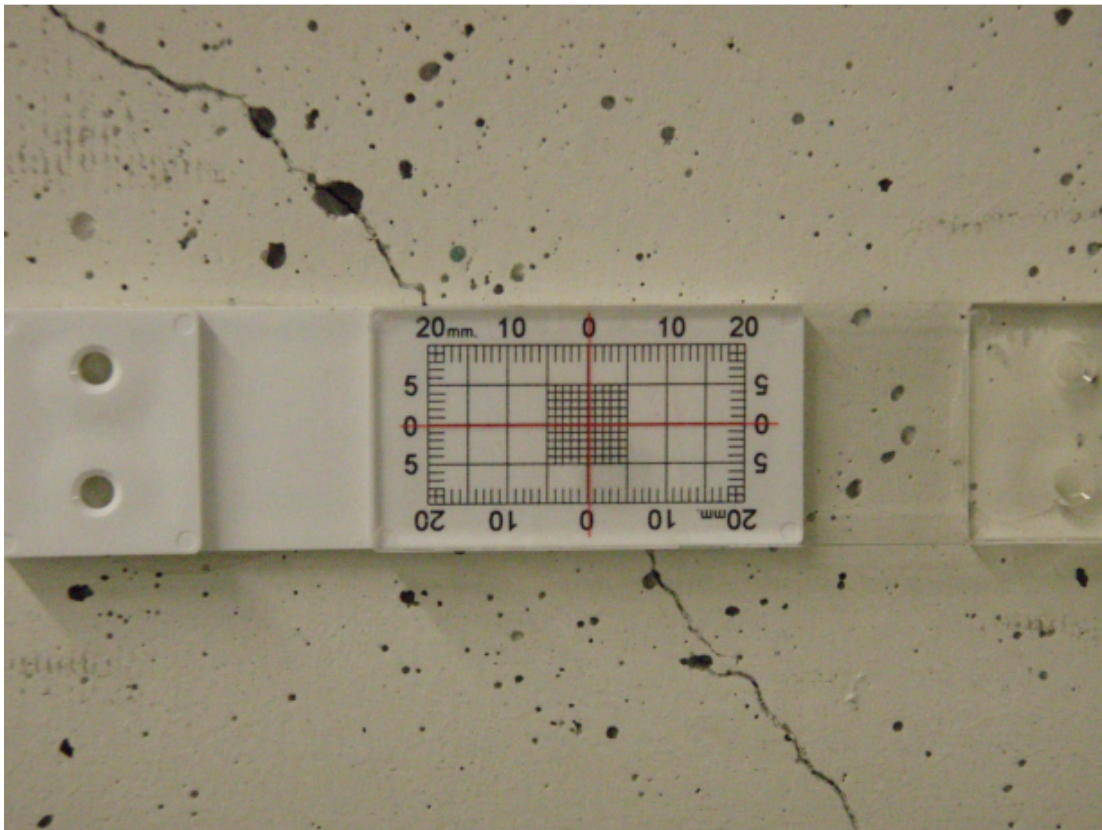
Note: Positive Δ deflection indicates increase in deflection



Courthouse Square Building Quarterly Crack Monitoring
November 25, 2009



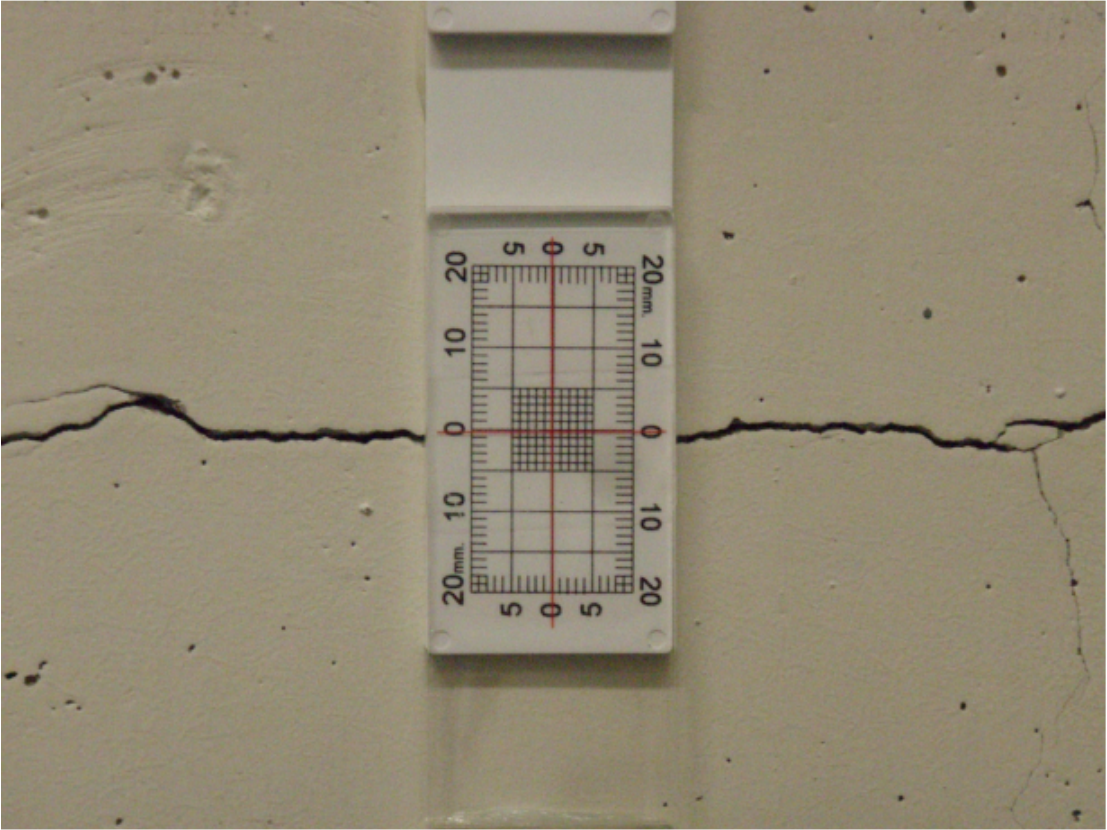
Courthouse Square Building Quarterly Crack Monitoring
November 25, 2009



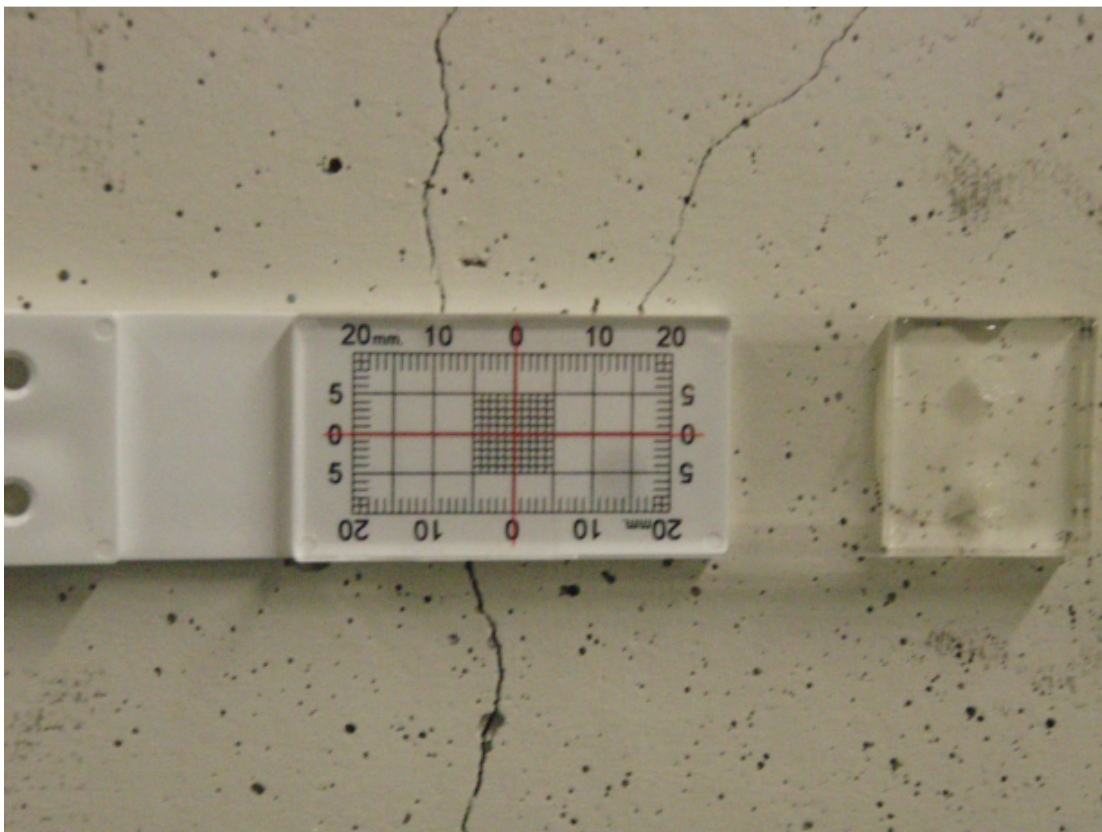
Courthouse Square Building Quarterly Crack Monitoring
November 25, 2009



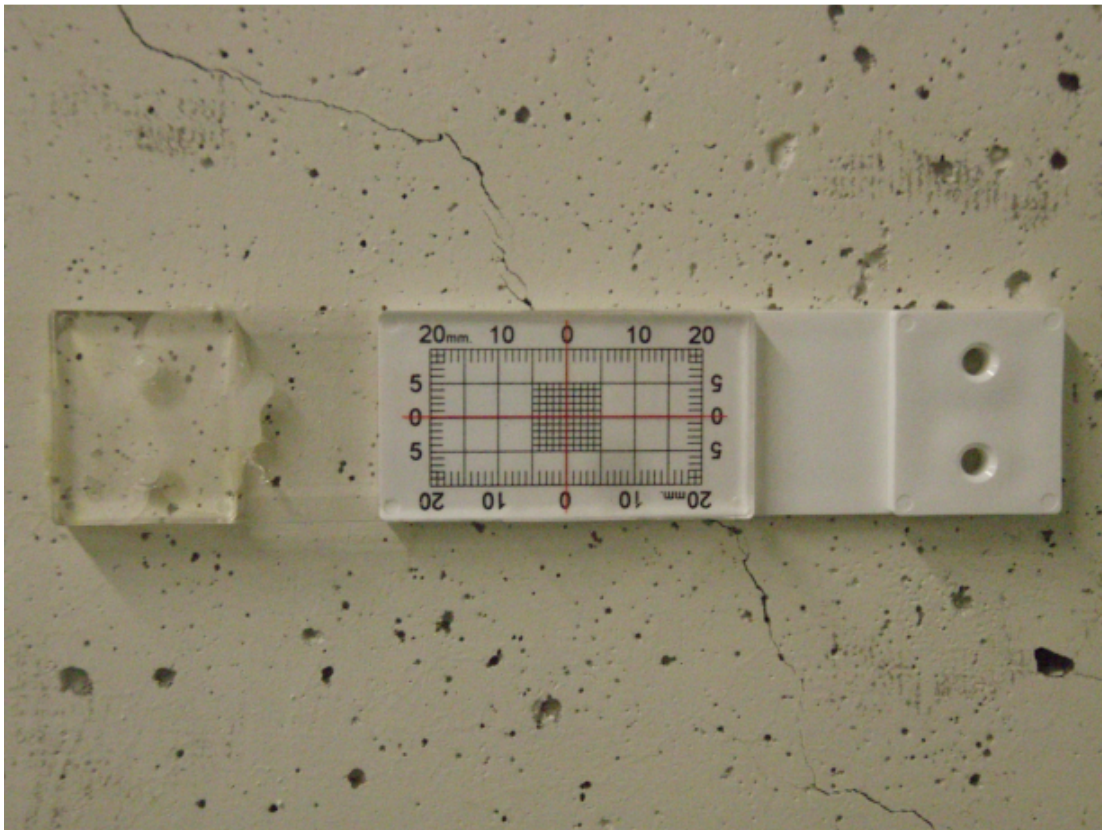
Courthouse Square Building Quarterly Crack Monitoring
November 25, 2009



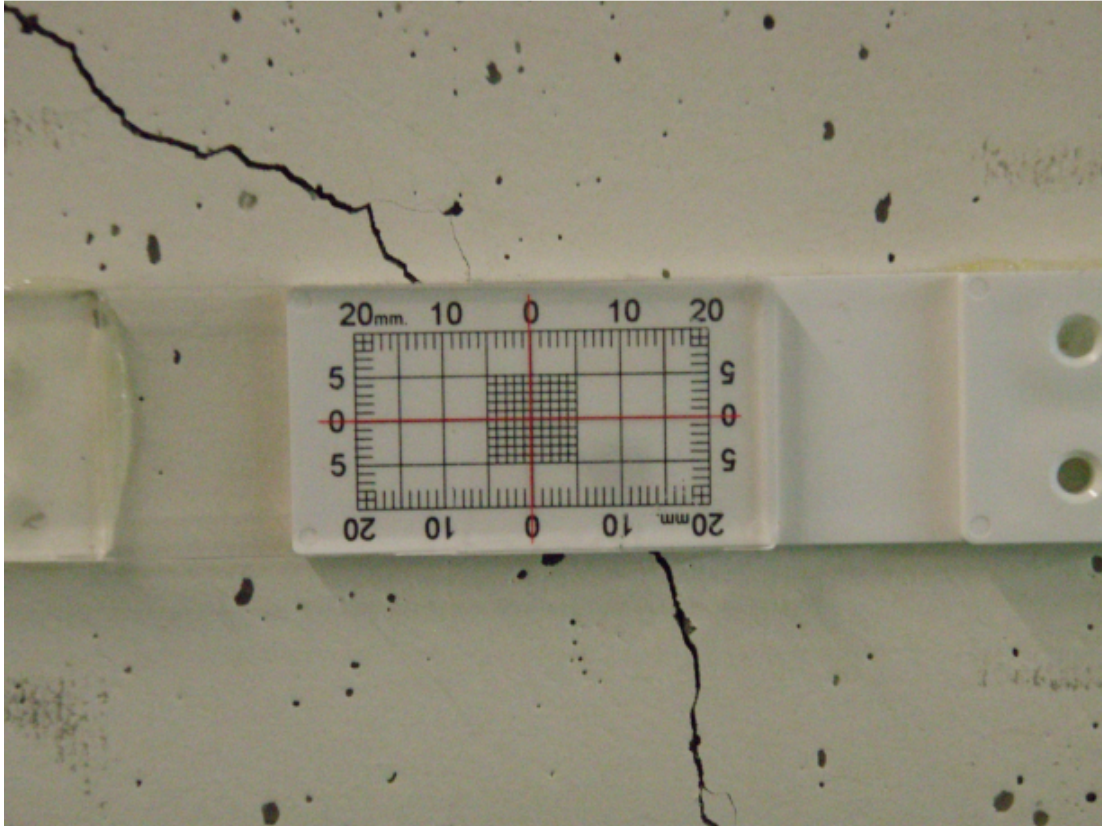
Courthouse Square Building Quarterly Crack Monitoring
November 25, 2009



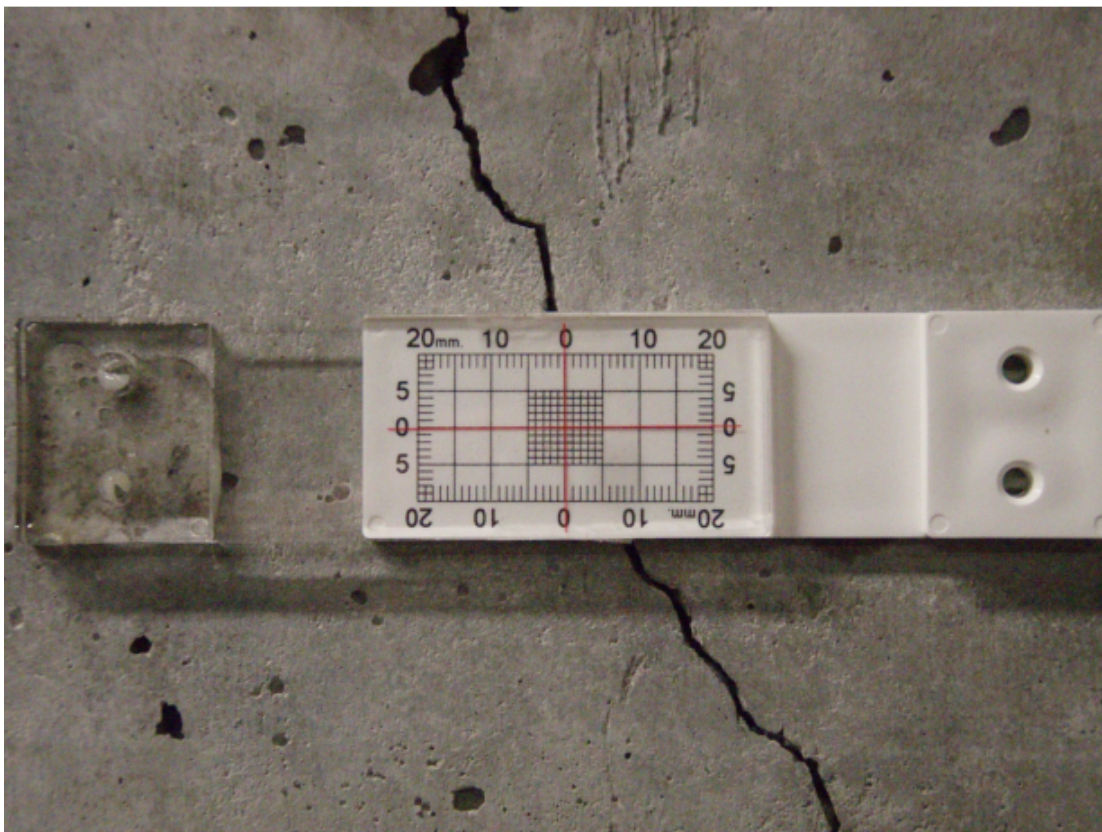
Courthouse Square Building Quarterly Crack Monitoring
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